



RLH Industries, Inc.

## DATA SHEET

The leader in  
rugged fiber optic  
technology.

R2010A-0511

## RLH 4.5AH 24V Battery Pack

DIN/WALL MOUNT BACKUP BATTERY  
POWER FOR UPS APPLICATIONS

### Product Information and Specifications

### Description

The 4.5AH backup battery pack is a compact sealed battery unit ideally suited for 24VDC UPS applications, or other industrial applications where battery reserve power is required.

Backup batteries are used with RLH AC/DC DIN mount power supplies and charge controller to provide backup power in the event of an AC outage.

Each battery pack has two leakproof and maintenance free internal lead/acid batteries. The battery pack has a life expectancy of 5 years in standby service, or more than 250 cycles at 100% discharge in cycle service. Excessive hot or cold temperatures will decrease battery life.

The battery pack is DIN rail mounted, and includes 2 DIN rail clips for stability. Use the DIN rail to mount the battery to a wall or equipment rack. The quick release DIN brackets allow for easy removal of the battery pack for servicing or replacement.

Battery packs connect to a battery charge controller via screw down terminals on the bottom. An externally replaceable fuse is included to protect the battery circuit.

Depleted and/or defective batteries are field replaceable by qualified personnel. RLH batteries have a 5 year warranty. Refer to ordering information for replacement batteries.



RLH 4.5AH DIN/Wall Mount Backup Battery Pack

### Features

DIN Mount/wall mount design, 2 DIN mounts for stability

Sealed batteries are maintenance/leak free

Compact size requires less space

Convenient screw-down terminals

User replaceable protection fuse

5 year standby service life expectancy

High 100% discharge cycle service

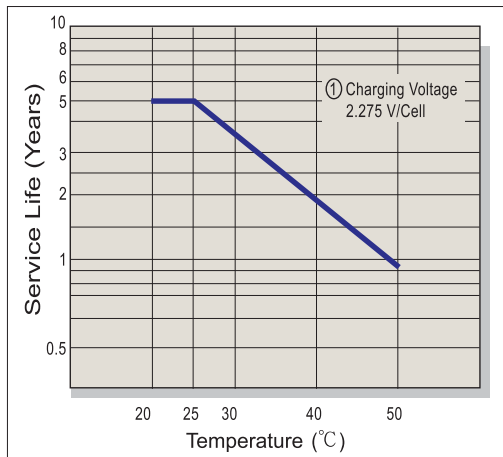
Replacement batteries are field replaceable

Ideally suited for 24VDC UPS applications

Covered by 5 year warranty

Specifications subject to change without notice.

### Trickle (or Float) Service Life



Rear view with DIN rail mounts

## General Specifications

<b>Battery Pack Construction</b>	Durable ABS thermoplastic with gasket sealed cover
	UL94-HB/File E50263 flammability rating
<b>Dimensions</b>	L 9.5in. x D 4.5in. x H 6.5 (W 241mm x D 114mm x H 165mm)
<b>Mounting</b>	DIN Rail 35/7.5, per IEC 60715
<b>Weight</b>	9lbs. (4.1kg)
<b>Internal Batteries</b>	2 replaceable batteries used in each battery pack
<b>Battery Type</b>	Lead acid deep cycle, spill proof and maintenance free
<b>Voltage</b>	24
<b>Capacity</b>	4.5Ah @ 20hr-rate to 21V @25°C
<b>Maximum Discharge Current</b>	60A/90A (5 sec)
<b>Fuse</b>	6A
<b>Operating Temperature Range</b>	Discharge -15°C ~ 50°C (5°F ~ 122°F) Charge -15°C ~ 40°C (5°F ~ 104°F) Storage -15°C ~ 40°C (5°F ~ 104°F)
<b>Nominal Operating Range</b>	25°C±3°C (77°C±5°C)
<b>Internal Resistance</b>	Approx. 81mΩ
<b>Float Charging Voltage</b>	27.0 to 27.6VDC/unit average at 25°C
<b>Recommended Maximum Charging Current Limit</b>	1.35A
<b>Equalization and Cycle Service</b>	28.8 to 30VDC/unit average at 25°C
<b>Self Discharge</b>	Battery pack can be stored for more than 6 months at 25°C (77°F). Batteries must be charged before using. Higher temperatures will reduce storage time.

## Ordering Information

Description	Part Number
24V UPS Backup Battery Pack w/fuse and DIN mount	8806-1205-01BB
4.5AH 24V Replacement Batteries (Set)	8806-1205-01RB

## Warranty

All battery products are warranted for 5 years from date of purchase. RLH will replace any battery product, or part thereof that fails, provided the defective part is returned to RLH Freight prepaid. **To make a warranty claim, or schedule repair or replacement of your RLH product, please contact us for an RMA number.** You will be promptly assisted by one of our warranty specialists. All returns must have an RMA number before we can receive any items.

## Technical Support

<b>Normal technical support:</b> (Mon - Fri 6am - 6pm PST)	Local (714) 532-1672 Toll Free (800) 877-1672 Toll Free (866) DO-FIBER
<b>24/7 Technical support:</b>	(714) 366-2503 (714) 457-5740

## Contact Information

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Please contact your RLH sales representative for pricing and delivery information.

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